

Docket No. BPHOTO.012

ABSTRACT OF THE DISCLOSURE

**MULTI-WAVELENGTH GRATING-OUTCOUPLED SURFACE EMITTING LASER
SYSTEM**

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A surface emitting semiconductor laser system having four cavities that couple light from a single aperture. Each of the four cavities overlaps at the outcoupling aperture. Each cavity is fabricated to resonate at a different central wavelength, outputting a different frequency of light, each of which can be independently modulated.

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